

**Secondary Emission Properties of Metals and
Semiconductors and the Periodic System of
Elements, by L. M. Ba Brantshtein, B. S. Fraiman,
3 pp.**

**RUSSIAN, per, Fiz Tverdogo Tela, Vol III,
No 10, 1961, pp 3200-3223.**

**AEP
Sov Phys - Solid State
Vol III, No 10**

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May 62

Inelastic Scattering of Electrons and Secondary
Electron Emission from Certain Metals and
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9 pp.

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1961, pp 1638-1649.

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Coaxial Cone Gas-Distribution Devices for Installations
with Fluidized Layers, by R. Fraiman.

RUSSIAN, per, Khimiya i Tekhnologiya Topлива i Masel

Vo. 7, No. 12, 1962, pp 44-46

CSIRO/ No. 6915

R. FRAIMAN

Sci -
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Coaxial Cone Gas-Distribution Devices for
Installations with Fluidized Layers, by R.
Fruiman.

RUSSIAN, per, Khimiya i Tekhnologiya Topliva i
Nasel, Vol 7, No 12, 1962, pp 6-44
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R. FRUIMAN

Sci -
Jul 67

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Separation of Finely Dispersed Powder Fractions in
a Series of Cycles, by H. H. Friedman, V. B. Sytkin,
et al. 8 pp.
Mikrokhim. zh., Khim. Prom., Mosk. No 7, 1961, pp 494-500.
ATL-210712

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Study of Water of Constitution of Alkali Cells,
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pp 574-581. 0225735
AEC-T-422418

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Doc 44

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The Villages of the Boloven Plateau, by
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Etudes Indochinoises, Vol 26, No 1,

1951, pp 53-72.

ACSI J-5909

ID 2204019268

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Soc

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R-49/64

The So Tribes of the Province of (Samnon (Laos), by
Andre Fruisse, 15 pp.

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Indochinoises, Vol XIV, No 11, 1950, pp 171-185.

*JPRS/SF-3010/SPECIAL

FAR East-Laos

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TT-64-10337

Fraisse, Paul.

THE INFLUENCE OF ATTITUDES AND PERSONALITY
ON PERCEPTION (L'Influence des Attitudes et de la
Personnalite sur la Perception). [1963] [22p] 22refs
Order from SLA \$2.60 TT-64-10337

Trans. of Année Psychologique (France) 1949, v. 51,
p. 237-248.

DESCRIPTORS: *Perception, *Personality, *Attitudes,
Thresholds (Physiology), Behavior.

(Behavioral Sciences--Psychology, TT, v. 11, no. 9)

Office of Technical Services

A Method of Producing Ferromagnetic Thin
Films by Vacuum Deposition on Plane
Substrates by Z. Frait, J. Grolaus, et al.
CZECH, Patent 106633, 19 Sep 60, pp 1-5.
*FTD HT 23-710-67

83

Z. Frait

Mechanical
May 67

59-14902

- I. Frajt, Z.
- II. LL-TF-13
- III. Lincoln Lab., Mass. Inst.
of Tech., Lexington

Frajt, Z.
ON THE QUESTION OF THE INHOMOGENEITY OF
DEMAGNETIZING FIELDS IN FERROMAGNETIC
RESONANCE. 17 Mar 59, 9p. 12 refs. LL-TF-13.
Order from OTS or SLA \$1.10 59-14902

Trans. of [Chekhoslovatskii Fizicheskii Zhurnal]
1958, v. 8, no. 1, p. 113-118.

DESCRIPTORS: Electromagnetic waves, Propagation,
*Ferrites, *Magnetic fields, *Resonance, Numerical
analysis.

A method is proposed for the quantitative computation
of the influence of inhomogeneities of the demagnetiz-
ing fields on the shape of the resonance curves. An
approximate computation is made for a definite ex-
perimental apparatus. Examples are presented when
the inhomogeneity of the demagnetization has a signifi-
cant influence on resonance curves of ferromagnets.
(Author)

(Physics--Magnetism, TT, v. 8, no. 5)

222 343

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Office of Technical Services

Passage of Thyrotropic Hormone Into the Circulation
by A. Fraja, L. Martini, 9 p.

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Vol XCIII, No 2, pp 167-176.

BLA 60-10490

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Quantitative Determination of Pituitary and
Chorionic Gonadotropins in Human Urine, by
P. Bianchini, A. Praja, 14 pp.

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Scienze Medico-Biologiche, No 12, 1957, pp
452-461.

NIH 3-30

Sci - Med

Apr 59

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NITROGEN-CONTAINING ALLOYS OF THE TRANSITION METALS
MANGANESE, IRON, COBALT AND NICKEL WITH CALCIUM,
GERMANIUM, INDIUM AND TIN, BY H. H. STADELMAIER,
A. C. FRAYER.

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1962, PP 48-51.

BISI 2905

SCI - M/M

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Cycloalkylation of Aromatic Compounds. XIX, The
Reaction of Benzene With 1-Cyclohexylcyclohexanol,
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1961, pp 2157-~~2158~~.

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Determination of Internal Stresses in Galvanic Coating,
by M. Ya. Popsereka, A. M. Fraktor, K. S. Frusin, A. A.
Martynenko, D. N. Famil'tsev, 8 pp.

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1958, pp 1164, 1165.

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FRALEEV, P. V.

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words; 1939.

Method for Small Quantities of Cobalt in the
Presence of Large Quantities of Iron.

Brutcher Trans., Order No. 1537, \$1.75

A 2665

Thermal Behavior of Alkali Hexachlorotitanates (IV),
by Paul Ehrlich, Eberhard Fromm, 2 pp.

GERMAN, per, Zeit Naturforsch, Vol IXB, 1954, pp 326.

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Industrial Application of Radio Activity to
the Continuous Determination of Uranium in
Solution, by J. D. le Franc, P. Pottier,
G. Roux, 10pp
FRANCE, par, Energie Nucleaire, Vol 2, 1958, No 3,
pp 195-201
SEA TT-64-20111.

J. D. le Franc

Sci - Nuc Phy and
Nuc Chem
July 67

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Use of Commutation Magnetic Cores in Digital Logical
Machin. by D. Freny, 14 pp.
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Jan 1963, pp 39-47.
ACSI 1-468
ID 220400764

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The Chromatography of Aromatic Isomers. IX. Separation
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Paper Chromatography, by J. Franc, 7 pp.

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pp 2018-2023.

ATB 771290

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Determination of Epsilon-Caprolactam With Potassium
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Sci - Chem
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IAC INTERNAL USE ONLY

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Chromatography of Organic Compounds, V. Determination of Phenylchlorosilanes by Means of Gas Chromatography, by J. Franc, M. Murst.

CZECH, per, Collection of Czechoslovak Chemical Communications, Vol XIV, 1960, pp 701-705.

GB/256/T.1178

Sci-Chem
Mar 63

225,364

Franc, J.

CHROMATOGRAPHY OF AROMATIC ISOMERS. XIV.
THE RELATION BETWEEN THE SIZE OF THE
DIPOLE MOMENT AND THE RELATIVE VOLUME
OF ELUTION OF PHENOL ISOMERS. [1961] 5p.

(2 tables, 7 figs. refs. omitted).

Order from SLA mi\$1.80, ph\$1.80

61-10428

61-10428

1. Phenols--Isomerism
 2. Phenols--Dipole moments
 3. Chromatographic analysis
Applications
- I. Franc, J.
II. Title: Relation...

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1960, v. 25 [no. 6] p. 1573-1579.

The empirical relationship, $\log q = C + kp$, is pre-
sented. Here q is the relative elution volume, C and
 k are constants (which are related to the temperature
and the type of stationary phase), and p is the perma-
nent dipole moment, vectorially calculated from the
dipole moments of the groups. Consideration is given
to the significance of the constants C and k and to their
mutual dependency. (See also ATS-77L29G or
59-16521)

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 12)

Chromatography of Aromatic Isomers: II. Adjustment
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Latinal, 5 pp.

CZECH, per, Chem Listy, Vol XLIX, 1955, pp 325-327.

AEC UCRL T-800(L)

Sci - Chem
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CHROMATOGRAPHY OF AROMATIC ISOMERS.
IX. SEPARATION OF SOME BENZENE MONO- AND
TRICARBOXYLIC ACIDS BY PAPER CHROMATOGRAPHY. [1963] [12p] (figs omitted) 6 refs
Order from SL \$1.60

TT-64-14362

Trans. of Chem[ické] Listy (Czechoslovakia) 1958,
v. 52, p. 1108-1112. (Abstract available)

DESCRIPTORS: *Benzene, Carboxylic acids, Nitrates,
Separation, *Chromatographic analysis, *Molecular
isomerism.

The study is concerned with an attempt to utilize the
relation between the dipole moment and chromatographic
behavior in order to select a suitable method for the
separation of o-, m-, and p-toluic acid, and hemimel-
litic, trimellitic and trimesinic acids. The acids were
(Chemistry--Analytical, TT, v. 11, no. 11) (over)

TT-64-14362

1. Title: Hemimellitic acid
 2. Title: Toluic acids
 3. Title: Trimellitic acid
 4. Title: Trimesinic acid
- I. Franc, J
II. Title: Separation ...

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Office of Technical Services

Chromatography of Aromatic Isomers. III. Relation Between
Dipole Moment and Value R_f of Naphthalene Derivatives,
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9093310

ABC UCEL Tr-769(L)

Sci - Phys, Chem
Apr 62

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The Chromatography of Aliphatic Isomers. I. The Relationship Between the Dipole Moment and the R_f Value of Benzene Derivatives, by Jaroslav Franc, Josef Latinak, 17 pp.

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pp 317-324.

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Sci - Chem

13 Mar 61

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The Chromatography of Aromatic Isomers. IX. Separation
of Some Benzene Mono- and Tricarboxylic Acids by Paper
Chromatography, by J. Franc.

GERMAN, pub, Collection Czechoslov Chem Commun.
Vol XXIX, 1958, pp 2018-2023.

ATB 264-GJ

Sci - Chem
Nov 59

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Detection of Tubercle Bacilli by Bacteriologic
Culture of Laryngeal Swabs: Comparison With
Results of Examination on Slides and Cultures
Made From Gastric Lavage Fluid, by G. E. Renoux,
A. Francais, 7 pp.

FRENCH, par, Presse Med, Vol LVIII, No 22, Apr
1950, pp 392-393.

SLA Tr 2550

Sci - Medicine
Oct 57

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Experience with the Use of Refractories
in the OLP Converters at Denain (USINOR),
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FRENCH, per, Centre Doc. Sider. Circ.,
No 2, 1964, pp 501-503.
BISI 3896

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THE OLD PLANT AT DENAIN (USINOR), BY
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8 FEB 1962, PP 405-411.

BISI 2848

~~8144~~
sci 4 ENGR

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Influence of the Speed of Testing on the
Result of the Determination of the Tensile
Breaking Strength and Burst of Paper, by
J. Francois, 5 pp.

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33.

ALA 2- 57-1723

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Jul 58

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Familial Deafness, by A. Francischetti.
S. Kitt Klein, 9 pp.

FRENCH, per, Journal Genet Hum., Vol III,
1954, pp 176-183.

Navy T1/3638/NMS 825

Sci - Biol & Med
Dec 63

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On the Causes of Blindness in Children,
by A. Franceschetti, et al.
FRENCH, per, J Optal Soc, Vol XII, 1951,
pp 37-41.
MEM NIA No 5-40-66

Franceschetti, A.

Sci - A/M
Jun 66

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The Occurrence of Hereditary Juvenile Macula
Degeneration (Stargardt Type) in Two Pairs
of Siblings With "Glaser"- Family Friedreich's
Ataxia (With Casuistic Contributions of Retinitis
Pigmentosa and Dominant Labyrinthine Deafness), by
A. Franceschetti, D. Klein, 45 pp.

GEORG, par, Archiv der Julius Klaus-Stiftung,
Vol XVI, No 3, 4, 1941, pp 462-486; 492-494.

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Scientific - Medicine

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The Collagen Architecture of the Intervertebral
Fibrocartilages (disks) in the erect and Horizontal
Postures. Investigations in Man and in the dog, by
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ITALIAN, per, Quad. Anat. Prat, Series 12, No 1-4, 1957,
pp 336-349.

NIH 4-1-60

Sci - Medicine
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First Clinical Use of Synthetic Hypertensin,
by A. Dauri, G. Franceschini, D. Horvath,
10 pp.

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pp 259-265.

WH 1-31a-60

Sci - Med

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Investigations on the Collagen Architecture
of the Capsuloligamentous Apparatus of the
Interpubic Articulation in Man, (Second
Report: From Puberty to Senility), by M.
Franchini, 29 pp.

GERMAN, per, Z Anat. Entwicklungsges,
Vol. CXX, 1957, pp 211-225.

NIH 3-23-60

Sci - Med

May 60

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Electromagnetic Billiards, by
Belvisi Francesco, 4 pp.
ITALIAN, Patent, No 471,156.
Dept of Comm
Patent Office

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*Belvisi
Francesco*

Sci-Elect
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Effect of Ultra-sounds on the Reparative Process
of Fractures, by C. Murolo, C. Francesco, 5 pp.

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Vol VIII, Nov 1952, pp 897-903.

HH 1-29-61

Sci - Med.
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Process and Apparatus to Improve the Dimensional
Stability of Fibers Obtained from Crystallizable
High Polymers of Propylene, by Mario
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BELGIAN, Patent, 559,298, 16 Jan 58, by
Montecatini. Priority: Italian patent applications
10,838, 17 July 56 and 851, 17 Jan 57.

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Vol 2 No 3

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ALKALI INDUSTRY IN BRAZIL. [1963] 9p. (figs.
omitted) 10 refs.

Order from SLA \$1.10

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Trans. of Mineração e Metalurgia (Brazil) 1945,
v. 8, no. 46, p. 273-277.

DESCRIPTORS: *Chemical industry, *Brazil, *Alkali
metals, Chemical engineering, Alkali metal com-
pounds, Sodium compounds, Hydroxides, Industries.

(Engineering--Chemical, TT, v. 10, no. 4)

1. Francesconi, O.

Office of Technical Services

Research on the Understanding of Phosphate
Reduction, by H. H. French, H. Fuldner, 52 pp.

GERMAN, per, Zeit Anorg u. Allgem, Vol CCVI,
1932, pp 97-139.

CIA/FDD XX-254

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Feb 1957 CTS/dex
IAC INTERNAL USE ONLY

44, 197

Gonadotrophin Immunochemical Assay, by
P. Franchimont, 9 pp.

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Belgium, 1962, pp 561-572.

NIH 10-35-63 (Loan)

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SLA TT 65-4775

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Task Forces for the Melting of Glass, by
Felice Arneschini, 53pp
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pp 13-28
SLA TT-C-10583

Felice Arneschini

Sci - Nat
June 67

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Investigation of the Mechanism of Electrolytic
Formation and Decomposition of Percarbonate, Perborate
and Perphosphate by the Isotope Method, by I. F.
Franchuk, A. I. Brodskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 1,
1958, pp 128-131.

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Isotopic Investigation of the Higher Oxides and
Peroxides of Uranium, by A. I. Brodskiy, N. P. Franchuk
& pp.

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1961, pp 1945-1948.

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Studies in the Field of Quinones. XXXI. The
Synthesis of Tetrahydro-1 4-endomethylene-
anthraquinone, by A. N. Grinsv, N. K. Venev-
tseva, V. I. Franchuk, 4 pp.

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1980, pp 1911-1913.

CB

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Investigation on the Distribution of Chlorpromazine
in the Cerebral and Fetal Tissues and Biological
Fluids, by G. Franchi, A. Gianni, 7 pp.

ITALIAN, paper, Arch Ital Sci Farmacol, Vol VI,
1950, pp 229-231.

SIA 58-274

Sci
Jul 59

92, 981

R-561

Un modello matematico del comportamento dell'automobile
su strada in condizioni di aderenza limite,

by Giovanni Francia

ITALIAN, pp 117-134

*JPRS For USAOAD

May 61

Francillon, J., Chambon, P., and Ruitton, P.
ANTIBIOTICS AND SURGERY OF THE COLON:
IMPORTANCE OF "NON-SYSTEMIC" ANTIBIOTICS
 (Antibiotiques et Chirurgie du Colon: Intérêt des
 Antibiotiques "Non Systémiques". [1963] 10p. 32 refs.
 Order from SLA \$1.10 63-18023

Trans. of [la] Presse Médicale (France) 1962, v. 70,
 p. 765-766.

DESCRIPTORS: *Antibiotics, *Surgery, *Intestines,
 *Neomycins, Absorption (Physiology), Drugs.

With the appearance of antibiotics, the difficult prob-
 lem of preoperative sterilization of the intestine in
 surgery of the colon appears to have been solved.
 Bitter disappointments followed this enthusiasm. How-
 ever, later in connection with the constantly broadened
 scope of antibiotherapy it is possible to resort success-
 (Biological Sciences--Pharmacology, TT, v. 10, no. 3)

63-18023

I. Francillon, J.
 II. Chambon, P.
 III. Ruitton, P.
 IV. Title: Importance ...

A247716

Office of Technical Services

Acute Col Pulmonale With Progressive Form, by
J. Francillon, et al, 17 pp.

FRENCH, per, Embolectomy Cure Lyon Chir, Vol LI(3),
1956, pp 304-314.

Navy Tr 3022/RMS 638

Sci - Med

Feb 62

186, 730

Francisco, J.
THE PREPARATION OF FORMALDEHYDE FROM
METHYL ALCOHOL. 1943, 10p. 3 refs.
Order from SLA \$1.10 62-10360

Trans. of Rev[ue] Gén[érale] des Mat[ières] Plasti-
ques (France) 1939, v. 15, p. 302-306.

DESCRIPTORS: Preparation, *Formaldehyde,
*Methanols.

(Unannounced)

62-10360

J. Francisco, J.

217165

Office of Technical Services

Deployment of Artillery in the Assault
Crossing of Water Obstacles, by Fran-
ciszek Adamiak, 8 pp.

PUBLISHED, War, Przegląd Wojsk Łańcuch,
No 10, Oct 1961, Warsaw, pp 121-129.

CHIT/TO Kinnema

LHB NO 1478(1)

Aug 65

Franciszek Adamiak

27,075

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A Case of Full Term Tubular Pregnancy
(Twins), by A. Franck. *by*
FRANCK, *par*, *Ann. Soc. Belg. Med. Trop.*
Vol 31, 1957, pp 623-625.
Dept of Navy 4815/MMS 1090

H. Franck

Sci-BM
Oct 66

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Solubility of Solids in Compressed Gases,
by E. U. Franck.

GERMAN, per, Zeit Phys Chem, Vol 6, 1956,
pp 345-355.

NLL Ref: 9022.09 (4902)

Sci-Phys
June 69

384,570

The Hydrogen Fluoride. II. The Association
in the Gas at High Pressures, by U.
Spittkeff, E. U. French, 14 pp.
GEMM, per, Zeitschrift für Elektro-
chemie, Vol 61, No 8, 1957, pp 993-1000.
EIA 77-63-10199

E. U. French

336,214

Sci
Aug 67

On the Stability Against Oxidation of Road-Tar.
by H. G. Frank.

GERMAN, per, Bitumen, Teere, Asphalt, Pecher u
Verwandte Stoffe, Vol V, 1954, pp 129-131.

INSDOC-41669

See

Aug 59

93,700

Franck, H. H.

THE POLYMORPHISM OF ALKALINE EARTH

CARBIDES. [1962] [9]p.

Order from SLA \$1.10

62-20181

Trans. of mono. Congr[es de] Chim[ie] Ind[ustrielle]
(no. 17) Paris, 1937. Compt[es] Rend[us] p. 1160-1165.

DESCRIPTORS: *Carbides, *Calcium compounds,
*Cyanamides, Industrial production.

The transformation of calcium carbide into calcium cyanamide is subjected to rather marked variations. X-ray studies of carbides of various origins has revealed the existence of many phases; the conditions of origin and of transformation have been examined, particularly by the addition of adding various substances (calcium cyanamide among others) thereto while hot. A theoretical interpretation of the observations is given.

(Author)

(Engineering-Chemical, TT, v. 9, no. 9)

62-20181

I. Franck, H. H.

Office of Technical Services

NCH-201 691

Field 7E, 20H, 20F

Franck, J.
SOME CONCLUSIONS THAT MAY BE DRAWN FROM KLEIN
AND ROSSELAND'S THEORY ON FLUORESCENCE, PHOTO-
CHEMICAL PROCESSES AND THE ELECTRON EMISSION
OF INCANDESCENT BODIES (Einige aus der Theorie von
Klein und Roseland zu Ziehende Folgerungen Ueber
Fluoreszenz, Photochemische Prozesse und die Elek-
tronenemission Gluehender Koerper). Tr. by D. A. Sinclair.
1965, 8p. NRC-TT-1186; NRC-C-5449.
Order from NRC: \$0.50 as C-5449

Trans. of Zeitschrift fuer Physik (West Germany) v9
p259-66 1922.

I. National Research
Council of Canada,
Ottawa (Ontario)

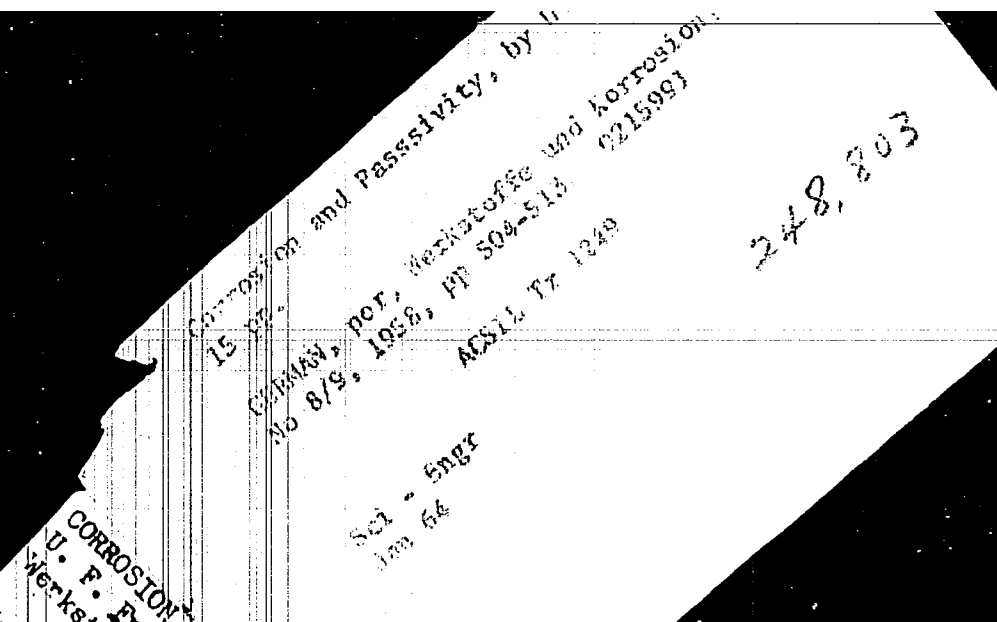
On the Absorption Spectra of Negative Halogen
Ions in Solution, by J. Franck, G. Scheibe, 9 pp.
GERMAN, Ger., Z Phy Chem (Leipzig), Vol 139, 1928.
pp 22-31.

AEC/OSPL-Tr-1896-70

J. Franck

Sci/Phy
Apr 70

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On the Lot of Siricid Fungi During Metamorphosis, by Francke-Grosmann, H.

GERMAN, PER, Wanderversammlung Deutscher Entomologen, Bericht, 8th, Munich, 1957, ~~Entomologische Zeitschrift~~, No 11, 1957, pp 37-43.

MU/T.411

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Sci-~~ENR~~ Biol & Med Sci

Disadvantages of the Rapid Weighing Method
for Measuring Transpiration, by C. Franco, A.
Magalhães.

FRENCH, per, Phyton, Vol 20, No 2, 1963, pp 87-95
CSIRO/No 6987

C. FRANCO

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Influence of Aureomycin on the Digestibility of
Aureomycin on the Digestibility of Nutrients of Swine,
by G. Charlet-Lery, A. C. Francoise, 11 pp.

FRECH, monograph,

SLA 5 -20884

119,078

Sci - Medicine
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Vol III, No 5

English Title Unknown, by M. Francois.
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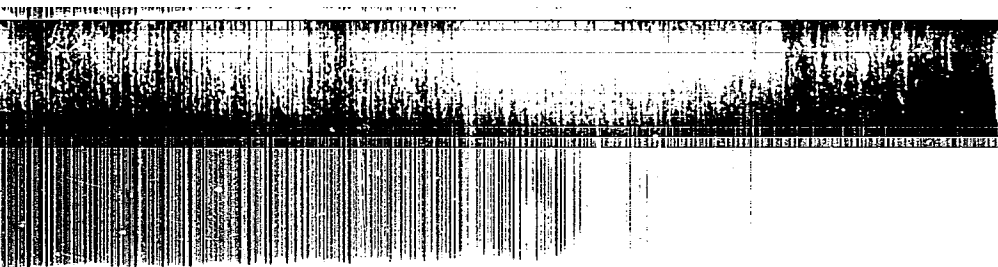
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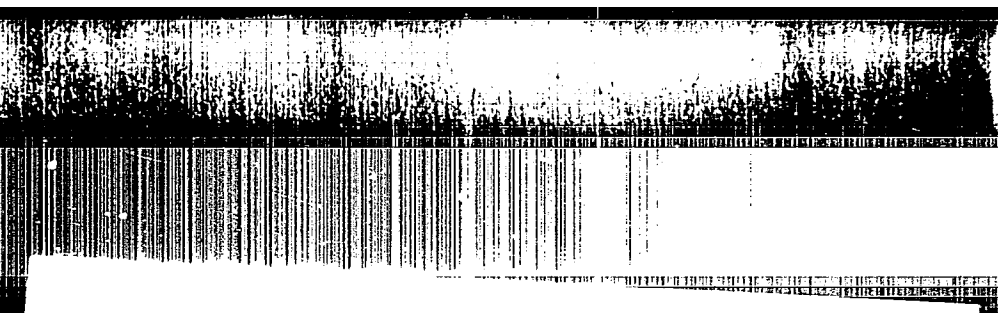
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